

Abstract:

A work piece or structural component is coated with a system of film layers at least one of which is composed of $(Al_yCr_{1-y}) X$, where $X = N, C, B, CN, BN, CBN, NO, CO, BO, CNO, BNO$ or $CBNO$ and $0.2 \leq y < 0.7$, with the composition within said film being either essentially constant or varying over the thickness of the film continually or in steps, as well as a process for producing it.